

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:  
ZIMMERMAN et al.

Examiner: Not Yet Assigned  
Art Unit: Not Yet Assigned

Serial No.: 09/769,823

Filed: JANUARY 24, 2001

For: MULTI-FREQUENCY PSEUDOLITES FOR  
CARRIER-BASED DIFFERENTIAL-  
POSITION DETERMINATION

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as First Class Mail in  
an envelope addressed to: Assistant Commissioner for  
Patents, Washington, DC 20231 on April 24, 2001.

Signed: Grace de Bos  
Grace de Bos

Assistant Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Before the examination of the Application identified above, Applicants respectfully request the amendment of the Application as follows:

**THE SPECIFICATION**

Under 37 CFR 1.121(b)(1) and 1.78(a)(5), Applicants respectfully instruct the Examiner to amend the Specification as follows: Delete and replace the three paragraphs on page 2, beginning with "This application claims" and ending with "incorporated by reference herein." with the following seven paragraphs and section header:

This application claims the benefit of the following applications:

U.S. Provisional Patent Application No. 60/178,011, entitled, "GPS Performance in Deep Open Pit Mines using Pseudolites," filed January 24, 2000, naming Clark E. Cohen et al. as inventors, with Attorney Docket No. P-68861/AJT/LM and under an obligation of assignment to IntegriNautics Corp. of Menlo Park, California;

U.S. Provisional Patent Application No. 60/213,738, entitled, "Open-pit Mining Using Pseudolites," filed June 22, 2000, naming Clark E. Cohen et al. as inventors, with Attorney Docket No. P-69526/AJT/LM and under an obligation of assignment to IntegriNautics Corp. of Menlo Park, California; and

U.S. Provisional Patent Application No. 60/233,969, entitled, "Multi-frequency Pseudolites for Instantaneous Carrier-Ambiguity Resolution," filed September 20, 2000, naming Clark E. Cohen et al. as inventors, with Attorney Docket No. P-69847/AJT/LM and under an obligation of assignment to IntegriNautics Corp. of Menlo Park, California.

U.S. Provisional Patent Applications Nos. 60/178,011, 60/213,738 and 60/233,969 are incorporated by reference herein.

### **RELATED APPLICATIONS**

The following application relates to this invention:

U.S. Re-Issue Patent Application No. 09/187,194, entitled, "System and Method for Generating Precise Position Determinations," filed November 5, 1998, naming Clark E. Cohen et al. as inventors, with Attorney Docket No. RI-57704-2/AJT/LM and assigned to IntegriNautics Corp. of Menlo Park, California.

Also, Please replace the third full paragraph on page 10, beginning, "A pseudolites #1-i may include" with the following paragraph:

A pseudolite **1-i** may include a multi-frequency reference receiver **2** capable of positioning from multi-frequency pseudolites. First, such a receiver **2** enables the pseudolite **1-i** to automatically survey its location and then broadcast that information via the data message. Second, the receiver **2** enables the pseudolite **1-i** to collect satellite differential correction data and ephemerides (sent via the data message). Third, the receiver **2** provides synchronization for triggering the pulse generator **205**. Since the receiver **2** can use other multi-frequency pseudolites **1-i** to

determine its position, the pseudolite 1-i may be placed in an area of insufficient satellite coverage yet still be fully operational.

(Under 37 CFR 1.121(b)(1)(iii), Applicants do not supply a marked-up version of the added or deleted paragraphs.)

#### REMARKS

Claims 1-10 are pending in the Application. The Application being in condition for allowance, the Applicants respectfully request that the Examiner issue a Notice of Allowance at an early date.

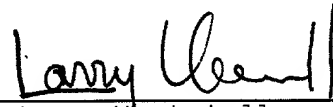
If the Examiner believes that personal communication will expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided below.

The Commissioner is authorized to charge any additional fees that may be required, including extension fees, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-68861/AJT/LM).

Respectfully submitted,

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By



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